

## CLAIMS

1. A living body measuring sensor for detecting a living body electric signal from a body surface of a measuring subject, comprising:

5           a conductive electrode capacitance-coupled on said body surface of said measuring subject via an insulating member; and

          a living body electric signal extractor circuit for outputting said living body electric signal from said conductive electrode with a low impedance.

10       2. The living body measuring sensor as claimed in Claim 1, wherein said conductive electrode is a metal electrode.

15       3. The living body measuring sensor as claimed in Claim 1, wherein said conductive electrode is a conductive fiber.

          4. The living body measuring sensor as claimed in Claim 1, wherein said insulating member is a thin cloth.

20       5. The living body measuring sensor as claimed in Claim 1, wherein said living body electric signal extractor circuit includes an impedance converter circuit whose input is a high input impedance and output is a low impedance.

25       6. The living body measuring sensor as claimed in Claim 1 or 5, wherein said living body electric signal extractor circuit includes a filter circuit for extracting a frequency component including said living body electric signal from an output of said impedance converter circuit.

30       7. The living body measuring sensor as claimed in Claim 5 or 6, wherein said living body electric signal extractor circuit includes an amplifier circuit for amplifying said living body electric signal outputted from said impedance converter circuit using a high gain.

35       8. The living body measuring sensor as claimed in Claim 1, further

including a high permittivity member to be provided between said conductive electrode and said insulating member.

5           9. The living body measuring sensor as claimed in Claim 8, wherein  
              said high permittivity member is a barium titanate porcelain.

10           10. A living body measuring method for extracting a living body electric  
              signal from a body surface of a measuring subject using a living body  
              measuring sensor including a conductive electrode mounted on said body  
              surface of said measuring subject via an insulating material, wherein  
              said living body electric signal is outputted with a low impedance by  
              capacitance-coupling and thereby mounting said living body measuring  
              sensor on said body surface of said measuring subject.